

CG PRES. CONTROL  
OUTGOING LTR NO.

DOE ORDER # 4700.

94 RF 07088

## EG&G ROCKY FLATS

**EG&G ROCKY FLATS, INC.**

ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

June 30, 1994

94-RF-07088

**Jennifer L. Pepe**

Environmental Restoration Division

DOE/RFFO

PROPOSED NEW WELLS AT OPERABLE UNIT (OU) 11 - KKO-082-94

**Action:** Respond in writing with concurrence or comments regarding sampling locations.

The purpose of this correspondence is to obtain written concurrence from the Department of Energy/Rocky Flats Field Office (DOE/RFFO), the Environmental Protection Agency, and the Colorado Department of Health (CDH) on monitoring well and surface soil sampling locations so that field activities can be performed. These areas of investigation will supplement the current revised Field Sampling Plan Technical Memorandum for OU 11.

Please review the proposed sampling locations and respond to EG&G Rocky Flats, Inc. in writing if you are in agreement with the sampling locations. Concurrence or delivery of comments is needed as soon as possible so that sampling in those areas can commence and to preclude re-mobilization costs. The sampling locations for areas outside the OU 11 boundary were verbally agreed on by Dave George, formerly of the DOE/RFFO matrixed staff, and Dave Norbury of CDH. Five copies of each map and an explanation of proposed locations have been included with this correspondence for your use and forwarding to the regulatory agencies for approval. If you have questions or need further information, please contact me at extension 8665.

Kelly O'Neill

Operable Unit 11

## Group 1 Closures

j t m

Orig. and 1 cc - J. L. Pepe

Enclosures:

As Stated (2)

AUTHORIZED CLASSIFIER  
SIGNATURE

DOCUMENT CLASSIFICATION REVIEW  
MAILED PER CLASSIFICATION OFFICE

ATE  
↓ REPLY TO RFP CC NO:

### CTION ITEM STATUS

☐ OPEN      ☐ CLOSED  
☐ PARTIAL

TR APPROVALS:

KKO: hko  
ORIGINATOR & TYPIST INITIALS

KKD:jln  
-4646 (Rev. 3/94)

**ADMIN RECORD**

A-OU11-000177

ADDITIONAL FIELD SAMPLING FOR THE WEST SPRAY FIELD  
OPERABLE UNIT 11  
ROCKY FLATS PLANT

In light of evidence that spray activities at the West Spray Field (WSF) took place over a larger area than detailed in the Historical Release Report, EG&G Rocky Flats proposes to extend sampling activities beyond the current OU 11 Individual Hazardous Substance Site (IHSS) boundary. Two additional monitoring wells and 14 additional surface soil sampling locations are proposed. HPGe surveying will be extended to the new areas as well. Data Quality Objectives (DQOs) and Quality Assurance requirements, as stated in the FSP TM (dated June, 1994) will be adhered to. Sampling protocol and analytical parameters will also match the FSP TM for OU 11.

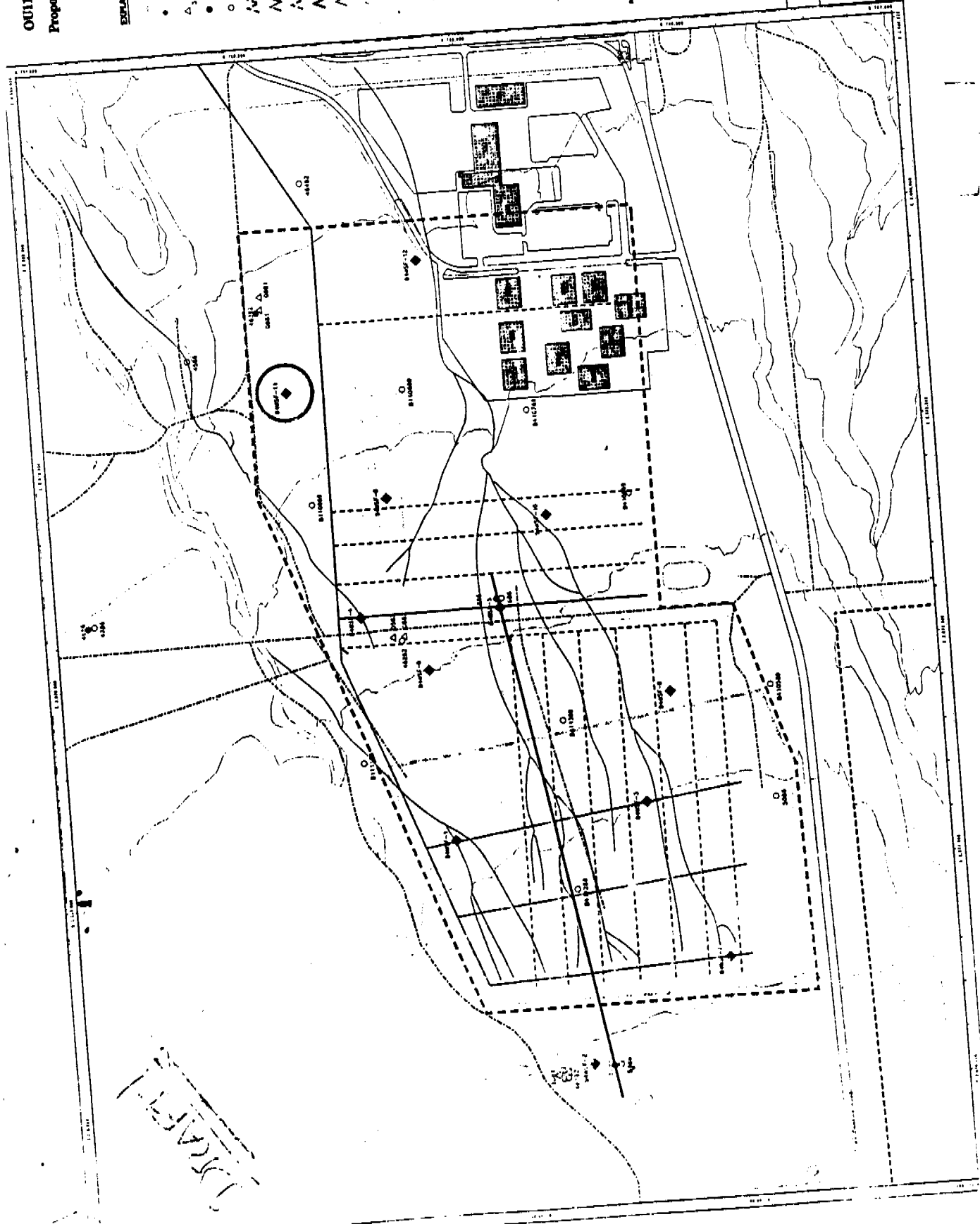
Historical aerial photos provide evidence that spray activities extending beyond the current OU 11 IHSS (IHSS 168) boundary took place when the spraying first began during 1982. In a 1983 aerial photo, only faint traces of the 1982 sprayed areas can be seen, indicating that those spray activities only took place for a short period of time. Further evidence of the short spray period lies in the construction activities that began in 1983 effectively preventing spraying in the extended area. After the appearance of faint traces of darkened vegetation beyond the east boarder of the WSF in the 1983 photo, darkened vegetation indicative of spray activities appears solely in the areas due north and west of the Raw Water Pond until spraying ceased in 1985.

Anchor that held the movable pipelines down during spraying are in place today at the West Spray Field and extend to areas outside of the IHSS boundary. Locations of these anchors and the pipes that brought water from the Solar Ponds were surveyed recently. Anchor locations are included on the maps provided and were used to locate sites for sampling activities outside of the IHSS boundary. Surface soils sampling locations were chosen based upon the following criteria:

- Areas expected to have received the largest volume of water as shown in the 1982 photographs;
- A ground surface depression which may have been caused by pipe leakage and;
- On the berm of the 130 trailer complex, which was the topsoil of that area at the time spraying took place.

Subsurface materials and groundwater will be sampled at an area outside the OU 11 boundary expected to have received maximum spray in 1982 and at an area downgradient of all spray activities. Sampling sites were located using the same methodology used in the OU 11 FSP TM.

**OU11/MESS-168 Basemap  
Was Stry Field  
Proposed Monitoring Well  
Locations  
Figure 4-2**



**EXPLANATION**

- Area of Spine Impacts Covered
- Prepared Monitoring Wells
- Pre-1988 Monitoring Wells
- Rebased Monitoring Wells
- Abandoned Monitoring Wells
- BSES 168 (DN11)
- N Piping (estimated)
- Ex. Horizontal Pipe Locations
- N Shallow Lias
- N Chalky River Lias
- Spring Area 1
- Spring Area 2
- Spring Area 3
- Spring Area 4

U.S. Department of Energy  
Rocky Flats Plant

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